



Name:

Enrolment No:

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2022

Course: Understanding New Energy Resources

Program: BBA (Oil and Gas Marketing)

Course Code: OGOG2004

Semester: II

Time : 03 hrs.

Max. Marks: 100

Instructions: Attempt all the questions

SECTION A
10Qx2M=20Marks

S. No.	Define the following terms in two lines	Marks	CO
Q 1	Advantages of Solar PV cells.	2	CO 1
Q 2	Bioenergy	2	CO 1
Q 3	Hydrothermal geothermal energy	2	CO 1
Q 4	Uses of hydrogen cells	2	CO 1
Q 5	Features of Solar Park scheme	2	CO 1
Q 6	Hydrothermal energy generation	2	CO 1
Q 7	Cooking with solar	2	CO 1
Q 8	Environmental Issues of large-scale dam hydropower projects	2	CO 1
Q 9	Renewable energy sources	2	CO 1
Q 10	Green Hydrogen	2	CO 1

SECTION B
4Qx5M= 20 Marks

	Answer the following questions in brief		
Q11	Illustrate the carbon cycle for Bioethanol production.	5	CO 1
Q12	Explain the various uses of Geothermal Energy.	5	CO 1
Q13	Discuss the problems regarding hydrogen fuel cells	5	CO 2
Q14	Describe how Solar Power Works	5	CO 2

SECTION-C
3Qx10M=30 Marks

	Answer the following questions in detail		
Q 15	Tidal energy installations have a minimal effect on the landscape, with negligible emissions and noise. However, a number of barriers needs to be overcome. Elucidate.	10	CO 2
Q 16	Analyze the benefits and downsides of installing Solar Energy power stations	10	CO 3
Q 17	Evaluate the biomass conversion technologies in detail.	10	CO 3
SECTION-D 2Qx15M= 30 Marks			
	Answer the following questions in detail		
Q 18	Interpret the various advantages and disadvantages of setting up a geothermal power plant across the globe.	15	CO 2
Q 19	Analyze the numerous types of biomass that can be used for heat, electricity and transportation fuels.	15	CO 3